

# Comparisons of Job Characteristics

**Focus Occupation:** [Helpers--Installation, Maintenance, and Repair Workers \(49-9098\)](#)

**Associated Occupation:** [Electricians \(47-2111\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 77

**Focus Occupation:** [Helpers--Installation, Maintenance, and Repair Workers \(49-9098\)](#)

**Associated Occupation:** [Electricians \(47-2111\)](#)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	16.5	15.0	<	Expanded education and/or training may be required
Building and Construction	4.0	14.6	6.9	<<	Extensive education and/or training may be required
Mathematics	9.2	14.5	9.0	<<	Extensive education and/or training may be required
Design	5.2	13.4	8.2	<<	Extensive education and/or training may be required
Administration and Management	8.4	12.2	4.6	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	11.8	9.1	<<	Extensive education and/or training may be required
Physics	4.3	10.9	5.0	<<	Extensive education and/or training may be required
Telecommunications	3.9	10.4	3.5	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 69

**Focus Occupation:** [Helpers--Installation, Maintenance, and Repair Workers \(49-9098\)](#)

**Associated Occupation:** [Electricians \(47-2111\)](#)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Troubleshooting	4.5	12.3	9.3	<<	Extensive development of skills in this area may be required
Repairing	3.4	11.6	9.4	<	A higher skill level may be required

Quality Control Analysis	5.9	11.0	10.0	<	A higher skill level may be required
Equipment Maintenance	3.5	10.3	10.7	0	Current skill level may be sufficient
Installation	1.7	9.4	5.8	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	8.4	8.7	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 81

**Focus Occupation: Helpers--Installation, Maintenance, and Repair Workers (49-9098)**

**Associated Occupation: Electricians (47-2111)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Visual Color Discrimination	6.4	12.8	10.2	<	Some improvement in abilities may be required
Visualization	7.5	12.2	10.0	<	Some improvement in abilities may be required
Finger Dexterity	7.6	11.8	10.6	<	Some improvement in abilities may be required
Extent Flexibility	4.8	10.4	13.4	>>	Current ability level is likely more than sufficient
Gross Body Equilibrium	3.2	8.2	8.4	0	Current ability level may be sufficient
Speed of Limb Movement	3.2	6.6	6.2	0	Current ability level may be sufficient
Glare Sensitivity	2.6	5.9	7.5	>	Current ability level is likely sufficient
Sound Localization	2.2	5.3	5.2	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 70

**Focus Occupation: Helpers--Installation, Maintenance, and Repair Workers (49-9098)**

**Associated Occupation: Electricians (47-2111)**

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Fabricate, assemble, or disassemble manufactured products by hand	11
Move or fit heavy objects	8
Perform safety inspections in industrial, manufacturing or repair setting	32
Read blueprints	10
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Replace electronic components	63
Understand service or repair manuals	40
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 83

**Focus Occupation: Helpers--Installation, Maintenance, and Repair Workers (49-9098)**  
**Associated Occupation: Electricians (47-2111)**

Tools and Technologies	Exclusivity
Aerial lifts	13
Compressors	9
Computers	1
Content authoring and editing software	1
Cutting and crimping and punching tools	3
Data management and query software	1
Earth moving machinery	11
Face and head protection	7
Forming tools	2
Holding and clamping tools	3
Industry specific software	1
Ladders and scaffolding	6
Lifting equipment and accessories	3
Machine tools	7
Measuring and layout tools	3
Power tools	2
Safety apparel	4
Soldering and brazing and welding machinery and supplies	6
Vision protection and accessories	3
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.